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Gene name	SLPA
From	Clostridium thermocellum [TaxID: 1515]
Taxonomy	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium.

References

[1] SEQUENCE FROM NUCLEIC ACID.

STRAIN=NCIB 10682;

MEDLINE=98129094; PubMed=9467913; [NCBI, ExPASy, EBI, Israel,

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Lemaire M., Miras I., Gounon P., Beguin P.;

"Identification of a region responsible for binding to the cell wall within the S-layer protein of Clostridium thermocellum.";

Microbiology 144:0-0(0).

Comments

None

Cross-reference	es <u> </u>
EMBL	U79117; AAC33404.1; [EMBL / GenBank / DDBJ] [CoDingSequence]
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ModBase	<u>086999</u> .
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Keywords

None

Features

None

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FASTA format

View entry in original TrEMBL format
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BLAST submission on ExPASy/SIB or at NCBI (USA)

43

Sequence analysis tools: <u>ProtParam</u>, <u>ProtScale</u>, <u>Compute pI/Mw</u>, <u>PeptideMass</u>, <u>PeptideCutter</u>, <u>Dotlet</u> (Java)



ScanProsite, MotifScan



Search the <u>SWISS-MODEL</u> <u>Repository</u>

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The Korean ExPASy site, kr.expasy.org, is temporarily not available.

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2 of 2

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WEST Search History

DATE: Tuesday, August 12, 2003

Set Name Query side by side

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DB=USPT; PLUR=YES; OP=AND

L1 difficile.clm. same (vaccin\$ or pharmaceu\$ or therapeut\$).clm.

17 L1

END OF SEARCH HISTORY

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L1: Entry 15 of 17

File: USPT

Nov 14, 1995

DOCUMENT-IDENTIFIER: US 5466672 A

TITLE: Therapeutic use of clostridium difficile toxin A

CLAIMS:

- 5. A method of treating cancer, comprising:
- a) providing i) a patient with gastrointestinal cancer, and ii) a preparation comprising Clostridium $\underline{\text{difficile}}$ toxin A in an aqueous solution in $\underline{\text{therapeutic}}$ amounts that is intravenously injectable; and
- b) intravenously injecting said toxin into said patient.

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L1: Entry 9 of 17

File: USPT

Jun 27, 2000

DOCUMENT-IDENTIFIER: US 6080725 A

TITLE: Immunostimulating and vaccine compositions employing saponin analog adjuvants and uses thereof

CLAIMS:

12. The <u>vaccine</u> of claim 11, wherein said bacterial antigens are antigens associated with a bacterium selected from the group consisting of Helicobacter pylori, Chlamydia pneumoniae, Chlamydia trachomatis, Ureaplasma urealyticum, Mycoplasma pneumoniae, Staphylococcus spp., Staphylococcus aureus, Streptococcus spp., Streptococcus pyogenes, Streptococcus pneumoniae, Streptococcus viridans, Enterococcus faecalis, Neisseria meningitidis, Neisseria gonorrhoeae, Bacillus anthracis, Salmonella spp., Salmonella typhi, Vibrio cholera, Pasteurella pestis, Pseudomonas aeruginosa, Campylobacter spp., Campylobacter jejuni, Clostridium spp., Clostridium difficile, Mycobacterium spp., Mycobacterium tuberculosis, Treponema spp., Borrelia spp., Borrelia burgdorferi, Leptospria spp., Hemophilus ducreyi, Corynebacterium diphtheria, Bordetella pertussis, Bordetella pronchiseptica, hemophilus influenza, Escherichia coli, Shigella spp., Erlichia spp., Rickettsia spp. and combinations thereof.

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L1: Entry 7 of 17

File: USPT

Jul 17, 2001

DOCUMENT-IDENTIFIER: US 6262029 B1

TITLE: Chemically modified saponins and the use thereof as adjuvants

CLAIMS:

29. The <u>vaccine</u> of claim 28, wherein said bacterial antigens are antigens associated with a bacterium selected from the group consisting of Helicobacter pylori, Chlamydia pneumoniae, Chlamydia trachomatis, Ureaplasma urealyticum, Mycoplasma pneumoniae, Staphylococcus spp., Staphylococcus aureus, Streptococcus spp., Streptococcus pyogenes, Streptococcus pneumoniae, Streptococcus viridans, Enterococcus faecalis, Neisseria meningitidis, Neisseria gonorrhoeae, Bacillus anthracis, Salmonella spp., Salmonella typhi, Vibrio cholera, Pasteurella pestis, Pseudomonas aeruginosa, Campylobacter spp., Campylobacter jejuni, Clostridium spp., Clostridium difficile, Mycobacterium spp., Mycobacterium tuberculosis, Treponema spp., Borrelia spp., Borrelia burgdorferi, Leptospria spp., Hemophilus ducreyi, Corynebacterium diphtheria, Bordetella pertussis, Bordetella pronchiseptica, hemophilus influenza, Escherichia coli, Shigella spp., Erlichia spp., Rickettsia spp. and combinations thereof.

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[Entry info] [Name and origin] [References] [Comments] [Cross-references] [Keywords] [Features] [Sequence] [Tools]

Note: most headings are clickable, even if they don't appear as links. They link to the <u>user manual</u> or <u>other documents</u>.

Entry information

Entry name	Q8KHB6
Primary accession number	Q8KHB6
Secondary accession numbers	None
Entered in TrEMBL in	Release 22, October 2002
Sequence was last modified in	Release 22, October 2002
Annotations were last modified in	Release 22, October 2002
Name and origin of the protein	
Protein name	S-layer protein variable domain SlpA [Fragment]

From	Clostridium difficile [TaxID: 1496]
Taxonomy	Bacteria; Firmicutes; Clostridia;
	Clostridiales; Clostridiaceae; Clostridium.

None

SLPA

References

Synonyms

Gene name

[1] SEQUENCE FROM NUCLEIC ACID.

STRAIN=ATCC 43597, 90-111, and 93-136;

MEDLINE=22083941; PubMed=12089261; [NCBI, ExPASy, EBI, Israel,

<u>Japan]</u>

Karjalainen T., Saumier N., Barc M.C., Delmee M., Collignon A.;

"Clostridium difficile Genotyping Based on slpA Variable Region in S-Layer

Gene Sequence: an Alternative to Serotyping.";

J. Clin. Microbiol. 40:2452-2458(2002).

Comments

None

Cross-references

	T .	
	AF458880;	[EMBL / GenBank / DDBJ]
	AAM75944.1;	[CoDingSequence]
EMBL	AF458881;	[EMBL / GenBank / DDBJ]
CMDL	AAM75945.1;	[CoDingSequence]
	AF458882;	[EMBL / GenBank / DDBJ]
	AAM75946.1;	[CoDingSequence]
HOBACGEN	[Family / Alignment / Tr	<u>ee]</u>
ProtoMap	<u>Q8KHB6</u> .	
PRESAGE	Q8KHB6.	
ModBase	Q8KHB6.	
SWISS-2DPAGE	Get region on 2D PAGE.	

Keywords

None

Features

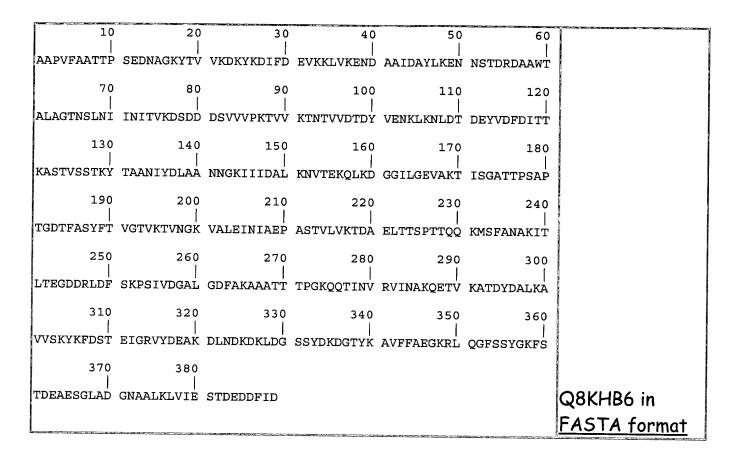
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	39.		

<u>Feature table viewer</u>

Key	From	То	Length	Description
NON_TER	1	1		
NON_TER	389	389		

Sequence information

[This is the length of the partial	MW of the partial	CRC64: C5ED8F4901C18F8C [This is a checksum on the sequence]
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View entry in original TrEMBL format
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BLAST submission on ExPASy/SIB

or at NCBI (USA)



Sequence analysis tools: <u>ProtParam</u>, <u>ProtScale</u>, <u>Compute pI/Mw</u>,

PeptideMass, PeptideCutter,

Dotlet (Java)



<u>ScanProsite,</u> <u>MotifScan</u>



Search the <u>SWISS-MODEL</u> <u>Repository</u>



The Korean ExPASy site, kr.expasy.org, is temporarily not available.

ExPASy I	Home page	Site Map	Search	EXPAS	y Co	ntact us	Swi	iss-Prot
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. P***	he Korean ExP. Swiss-Prot/TrE		xpasy.org	•	rarily n	ot available	- 	ear

NiceProt View of TrEMBL: Q8KHH9

Printer-friendly view

Quick BlastP search

[Entry info] [Name and origin] [References] [Comments] [Cross-references] [Keywords] [Features] [Sequence] [Tools]

Note: most headings are clickable, even if they don't appear as links. They link to the <u>user manual</u> or <u>other documents</u>.

Entry information

Entry name	Q8KHH9
Primary accession number	Q8KHH9
Secondary accession numbers	None
Entered in TrEMBL in	Release 22, October 2002
Sequence was last modified in	Release 22, October 2002
Annotations were last modified in	Release 22, October 2002
Name and origin of the protein	
Protein name	S-layer protein variable domain SlpA [Fragment]
Protein name Synonyms	•
	[Fragment]
Synonyms	[Fragment] None

References

[1] SEQUENCE FROM NUCLEIC ACID.

STRAIN=56026, 54823, and ATCC 43601;

MEDLINE=22083941; PubMed=12089261; [NCBI, ExPASy, EBI, Israel,

Japan]

Karjalainen T., Saumier N., Barc M.C., Delmee M., Collignon A.;

"Clostridium difficile Genotyping Based on slpA Variable Region in 5-Layer

Gene Sequence: an Alternative to Serotyping.";

J. Clin. Microbiol. 40:2452-2458(2002).

Comments

None

Cross-references

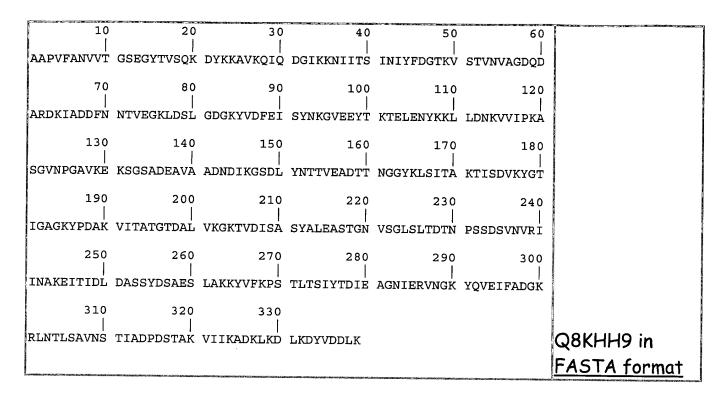
	AF458884;	[EMBL / GenBank / DDBJ]		
	AAM75939.1;	[CoDingSequence]		
EMBL	AF458885;	[EMBL / GenBank / DDBJ]		
CNOL	AAM75940.1;	[CoDingSequence]		
	AF458883;	[EMBL / GenBank / DDBJ]		
	AAM75947.1;	[CoDingSequence]		
HOBACGEN	[Family / Alignment / Tro	<u>ee]</u>		
ProtoMap	Q8KHH9.			
PRESAGE	Q8KHH9.			
ModBase	<u>Q8KHH9</u> .			
SWISS-2DPAGE	<u>Get region on 2D PAGE</u> .			

Keywords

None

Features Feature table viewer Key From To Length Description NON_TER 1 1 NON_TER 339 339

Sequence informati	on	
Length: 339 AA [This is the length of the partial sequence]	MW of the partial	CRC64: 9FDB0B05C0FFAA61 [This is a checksum on the sequence]



View entry in original TrEMBL format
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Request for annotation of this TrEMBL entry

BLAST submission on ExPASy/SIB or at NCBI (USA)

41

Sequence analysis tools: <u>ProtParam</u>, <u>ProtScale</u>, <u>Compute pI/Mw</u>, <u>PeptideMass</u>, <u>PeptideCutter</u>,

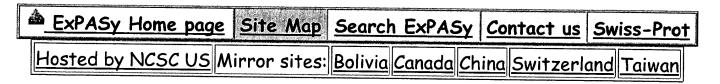
Dotlet (Java)

<u>prosite</u>

<u>ScanProsite</u>, <u>MotifScan</u>



Search the <u>SWISS-MODEL</u> <u>Repository</u>



The Korean ExPASy site, kr.expasy.org, is temporarily not available.

ExPASy Home page	Site Map	Search	ExPASy	Conto	act us	Swiss-Prot	<u>-</u>
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The Korean ExPAS		<pre>⟨pasy.org,</pre> <pre>▼ for</pre>	•	rily not a	available.	i 	

NiceProt View of TrEMBL: Q8KHI4

Printer-friendly view Quick BlastP search

[Entry info] [Name and origin] [References] [Comments] [Cross-references] [Keywords] [Features] [Sequence] [Tools]

Note: most headings are clickable, even if they don't appear as links. They link to the <u>user manual</u> or <u>other documents</u>.

Entry information	
Entry name	Q8KHI4
Primary accession number	Q8KHI4
Secondary accession numbers	None
Entered in TrEMBL in	Release 22, October 2002
Sequence was last modified in	Release 22, October 2002
Annotations were last modified in	Release 22, October 2002
Name and origin of the protein	
Protein name	S-layer protein [Fragment]
Synonyms	None
Gene name	SLPA
From	Clostridium difficile [TaxID: 1496]
Taxonomy	Bacteria; <u>Firmicutes</u> ; <u>Clostridia</u> ; <u>Clostridiales</u> ; <u>Clostridiaceae</u> ; <u>Clostridium</u> .

References

[1] SEQUENCE FROM NUCLEIC ACID.

STRAIN=ATCC 43598, GAI95600, and GAI95601;

MEDLINE=22083941; PubMed=12089261; [NCBI, ExPASy, EBI, Israel,

Japan]

Karjalainen T., Saumier N., Barc M.C., Delmee M., Collignon A.;

"Clostridium difficile Genotyping Based on slpA Variable Region in S-Layer

Gene Sequence: an Alternative to Serotyping.";

J. Clin. Microbiol. 40:2452-2458(2002).

Comments

None

Cross-reference	es es	
EMBL	AF448125; AAM75925.1; AF448126; AAM75926.1; AF448127; AAM75927.1;	[EMBL / GenBank / DDBJ] [CoDingSequence] [EMBL / GenBank / DDBJ] [CoDingSequence] [EMBL / GenBank / DDBJ] [CoDingSequence]
HOBACGEN	[Family / Alignment / Tre	<u>ze]</u>
ProtoMap	Q8KHI4.	
PRESAGE	Q8KHI4.	
ModBase	<u>Q8KHI4</u> .	
SWISS-2DPAGE	Get region on 2D PAGE.	

Keywords

None

Features



<u>Feature table viewer</u>

Key		From	To	Length	Description
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иои_	rer	354	354		
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Sequence information									
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sequence]		sequence	2]						
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AAPIFADSTT	PGYTVVKNDW	KKAVKQLQDG	LKNKTISTIK	VSFNG	NSVGE	VTPASSGAKK	TE DECEMBER CO. C. A. A.		
70	80 	90 	100		110	120			
ADRDAAAEKL	YNLVNTQLDK	LGDGDYVDFE	VTYNLATQIİ	TKAEA	EAVLT	KLQQYNDKVL			
130	140	150 	160 		170 	180 			
INSATDTVKG	MVSDTQVDSK	NVAANPLKVS	DMYTIPSAIT	GSDDS	GYSIA	KPTEKTTSLL	WECTHARDS		
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YGTVGDATAG	KAITVDTASN	EAFAGNGKVİ	DYNKSFKATV	QGDGT	VKTSĠ	VVLKDASDMA	The advanced state of the state		
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VQLVNGKYQV	IFYPEGKRLE	TKSADIIADA	DSPAKITIKA	NKLKD:	TKDAĄ	DDLK	Q8KHI4 in		
							FASTA format		

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BLAST submission on
EXPASY/SIB
or at NCBI (USA)



Sequence analysis tools: <u>ProtParam</u>, <u>ProtScale</u>, <u>Compute pI/Mw</u>, <u>PeptideMass</u>, <u>PeptideCutter</u>, <u>Dotlet</u> (Java)



<u>ScanProsite,</u> MotifScan



Search the <u>SWISS-MODEL</u> <u>Repository</u>

ExPASy Home page	Site Map Se	earch ExPA	Sy Co	ntact us	Swiss-Prot
Hosted by NCSC US M	irror sites: <u>Bo</u>	olivia Canada	China	Switzerla	and Taiwan

The Korean ExPASy site, kr.expasy.org, is temporarily not available.